

Title (en)  
PLUG ADAPTER FOR DOCKING ONTO A SOLENOID VALVE

Title (de)  
STECKADAPTER ZUM ANDOCKEN AN EIN MAGNETVENTIL

Title (fr)  
ADAPTATEUR ENFICHABLE POUR AMARRER À UNE ÉLECTROVANNE

Publication  
**EP 3877639 A1 20210915 (DE)**

Application  
**EP 19795492 A 20191022**

Priority

- DE 202018106353 U 20181108
- EP 2019078719 W 20191022

Abstract (en)  
[origin: WO2020094390A1] A plug adapter for connection to a solenoid valve that is in particular already installed in a motor vehicle, having a plug connection for receiving an electrical control signal from a controller of the motor vehicle in order to operate the solenoid valve, wherein the plug adapter comprises a solenoid valve connection for releasably coupling the plug adapter to the plug connection of the solenoid valve, wherein the solenoid valve connection and the plug connection are matched to one another in terms of plug shape and electrical signal transmission, an electronic component, in particular a microcontroller, for processing an electrical output signal in order to operate the solenoid valve, wherein, in the state in which the plug adapter is plugged onto the plug connection, an electrical connection is created between the electronic component and the solenoid valve via the solenoid valve connection.

IPC 8 full level  
**F02D 9/10** (2006.01); **F01P 7/14** (2006.01); **F01P 11/14** (2006.01); **F16K 11/24** (2006.01); **F16K 31/06** (2006.01); **G05D 23/19** (2006.01); **H01F 7/06** (2006.01); **H01R 13/627** (2006.01); **H01R 13/639** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP US)  
**F16K 31/0675** (2013.01 - EP US); **H01R 13/6271** (2013.01 - US); **H01R 13/6658** (2013.01 - EP); **H01R 31/065** (2013.01 - EP US); **F01P 7/14** (2013.01 - EP); **F01P 11/14** (2013.01 - EP); **F01P 2007/146** (2013.01 - US); **F02B 37/16** (2013.01 - US); **H01F 2007/062** (2013.01 - EP); **H01R 13/6271** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 202018106353 U1 20200211**; EP 3877639 A1 20210915; EP 3877639 B1 20231129; EP 3877639 C0 20231129; US 2021265794 A1 20210826; WO 2020094390 A1 20200514

DOCDB simple family (application)  
**DE 202018106353 U 20181108**; EP 19795492 A 20191022; EP 2019078719 W 20191022; US 202117314481 A 20210507